



OREGON TUALATIN VALLEY



MAY 1985

AMATEUR RADIO CLUB

Po Box 5132 Beaverton, Oregon 97006

EDITOR: AL BERG WB7SIC

Membership: 237

CIRCULATION: 275

President:	Geno Buell	KA7KBH	Trustee:	Linda Cereghino	N7CZY
Vice-Pres:	Hanford Van Ness	KE7BB	Trustee:	Terry Biggs	WB7CHK
Secretary:	Jeff Freedman	K7JF	Trustee:	Al Berg	WB7SIC
Treasurer:	Randy Stimson	K27T	Trustee:	Greg Milnes	W7AGQ
			Trustee:	Dave Parker	W7LJN

MEETING: 2nd WEDNESDAY BEAVERTON ELKS AT 7:00 p.m. (Dinner at 6:30 p.m.)

MEETING PROGRAM: COMPLETE PROGRAM DETAILS CAN BE FOUND ON THE BACK PAGE.

FIELD DAY JUNE 21-22-23



Nope! This is not the parking lot for a flea market. It is about half of the vehicles that bring their owners to the big show of the year....

FIELD DAY

JUNE 21-22-23

CONTEST

OPERATING

FOOD

GAMES

RAFTING

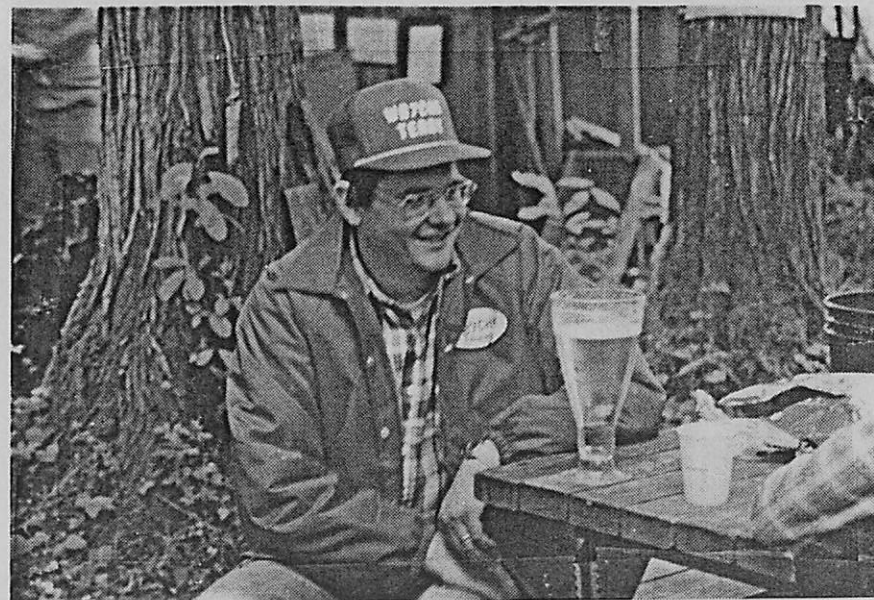
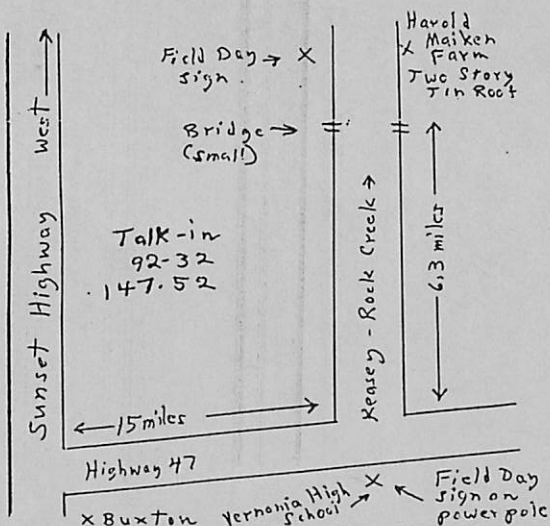
BINGO

FUN

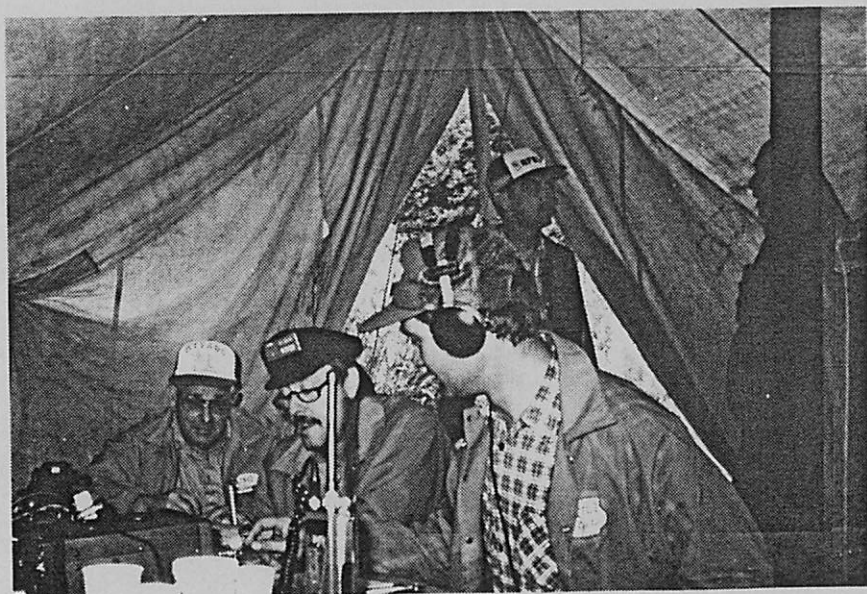
FISHING

ROAST

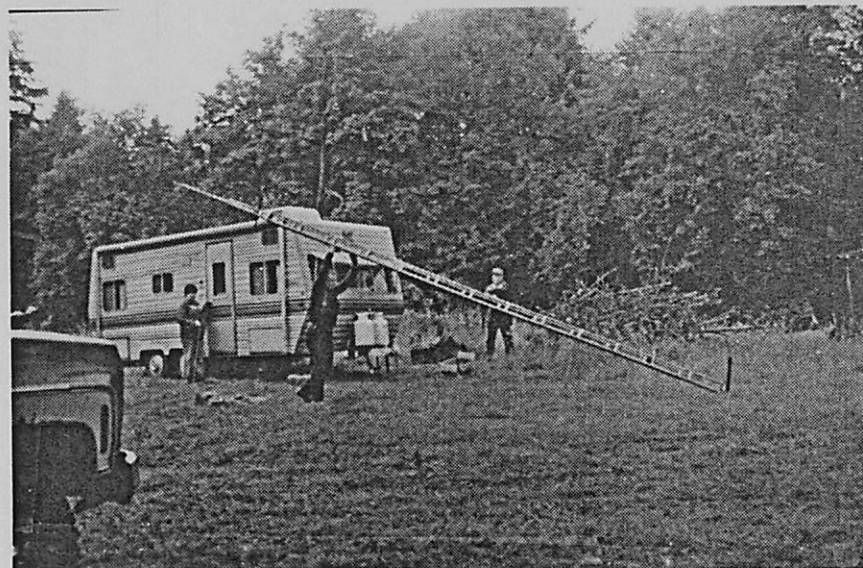
SWIM



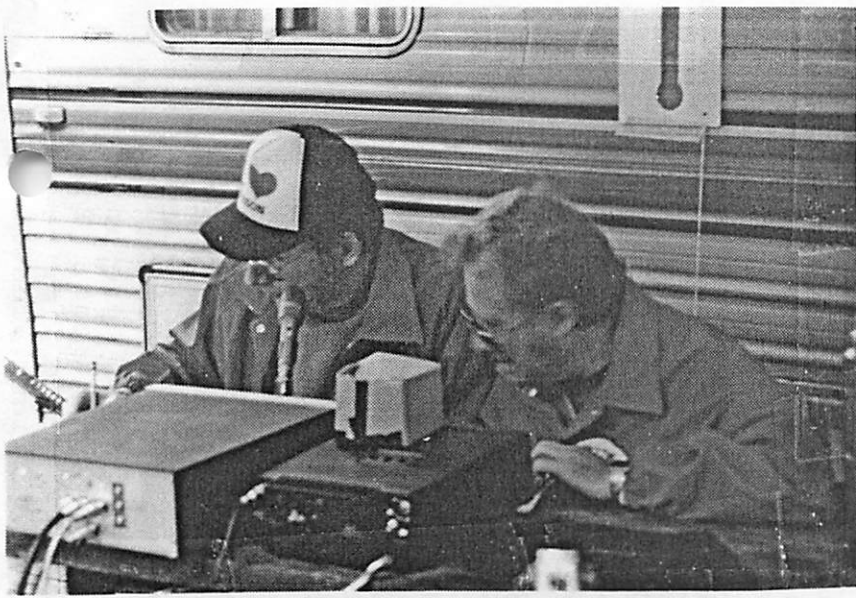
Terry is very happy with the service at the 'KEG'. 25¢ a glass? We gonna have to do something about that.....



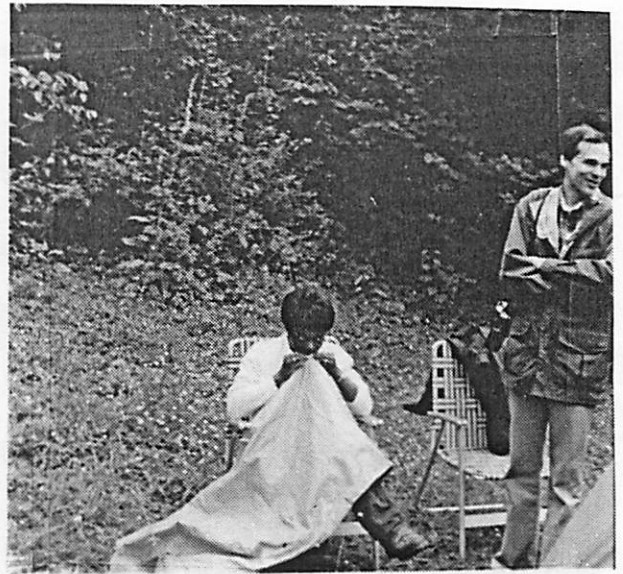
VD and a Q seems to be having a bit of trouble keeping up with all the dits and whs that John is whipping out...



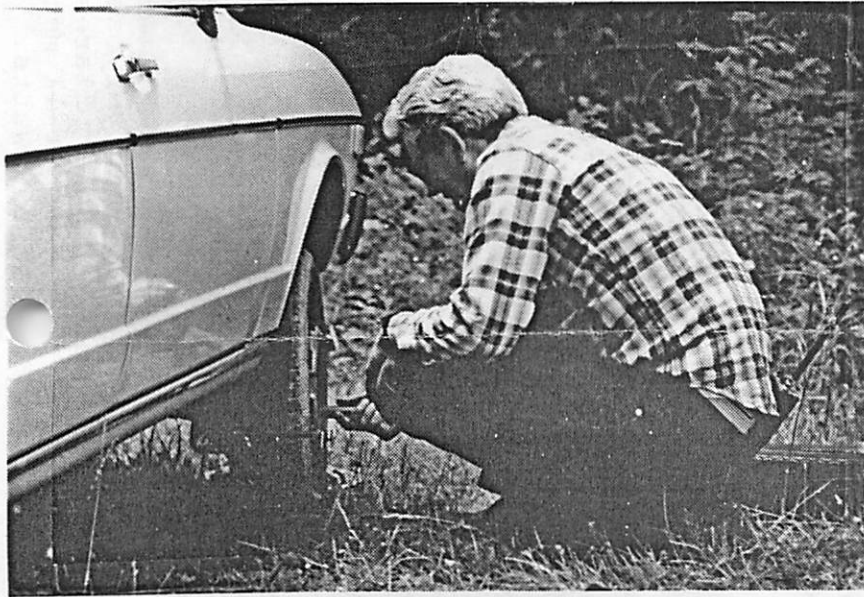
There ain't no way that Randy is going to get that thing up all by himself. Maybe it's the start of a pole vault?



I think Mississippi has one s.



Typical husband, right Val?
Bring a waterbed this year
and let Alan fill it!!



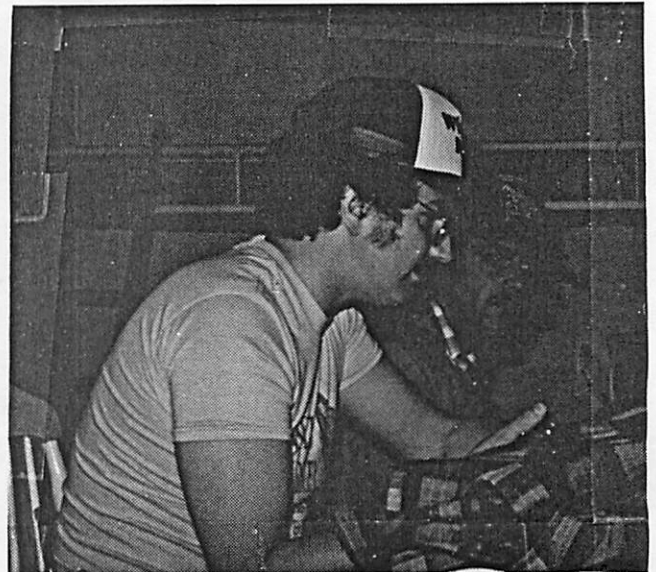
Tee Hee! Now I'll get to stay all
weekend and Fran will never know.



UUUUPP goes the 'novice' muscle.



Stop eating the blackberries and drive
the @#\$\$%&* stake.



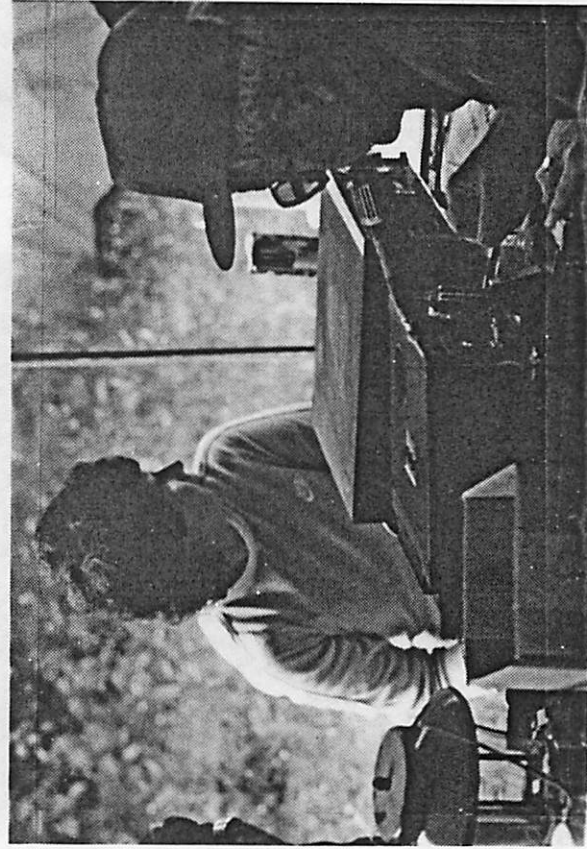
Gotta move yer mouth to make points!



Sure hope they got a burning permit. Actually, this is a very early version of the microwave and it is the sacrificial burning of a prior field days logs.



Dipoles can be put up very, very high by using a bow. An arrow is also a handy thing to have. 125 feet for the 80 meter band should do it....



Here is KB7CC listening to KEX on one of those new general coverage rigs. He reported 11 Q's an hour. That just won't cut it, mustard Bob.....



Some very serious discussion here about solar flares and band conditions. How about 11 meters? Nah. Wer'e limited to 200 watts. Any other bright ideas?

FIELD DAY!

Yes, Field Day is upon us again. It is time to dust off the storage rack in the garage and take inventory of last years non-perishable items. Next step of course is to figure out what needs to be ordered for our club meals and then plans must be made to prepare and deliver the food and beverages to our site. That is pretty much how things go prior to Field Day if anyone is curious. Well, what are we going to eat and when?

On Friday nite there will be a feast of hot dogs, chips, marshmallows and a variety of beverages. We WILL NOT be serving escargot or hors'doeuvres as has been rumored.

Saturday nite the starving masses will be blessed with spaghetti and a super meat sauce along with hot garlic bread and a delicious tossed salad. Liquid needs will be catered to also.

After being up all nite operating or partying you will be ready for the Sunday am plan to have the old time favorites: Pancakes, scrambled eggs, sausage, milk, orange juice and coffee.

By the way, if any of you feel like you want to demonstrate your cooking abilities, please let me know. I am looking for good amateur talent. (ed. rather see some professional talent) See you at Field Day! Paul, WB6SHR.

WHAT THE CLUB FURNISHES

Along with the Friday nite hot dog roast, the Saturday nite dinner and Sunday morning breakfast, a number of items related to dining and sipping are provided.

We furnish: ALL CONDIMENTS-PAPER PLATES-CUPS-NAPKINS-COFFEE-TEA-MILK-PUNCH-BEER and A WHOLE LOT OF FUN!!!!!!

You must provide your own utensils. We will have a few plastic @#%\$¢ JUST IN CASE. You know how they break just when you need them the most? Please bring your own! Thanks!!

WATER: Provided by an excellent well.

JOHNS: One of each! Rather old fashioned but they work.

FOOD: Friday nite hot dogs-Saturday nite dinner-Sunday breakfast.

DRINK: Coffee, tea, milk, juice, beer and water.

BINGO: Games on both Friday and Saturday nite.

FRIDAY NITE HOT DOG FEED: FREE--FREE NO CHARGE.....

SATURDAY NITE DIN-DIN: Adults \$2.00, 6 thru 12 \$1.00. Younguns free.

SUNDAY MORN BREAKFAST: Ditto the above.

BEER DRINKERS SPECIAL: \$2.00 per day or 25¢ a cup. ADULTS ONLY AND THIS WILL BE STRICTLY ENFORCED!!!!!!!!!!!!!!

STATION SET-UP TIME: The rush will start on Friday about noon.

COOKHOUSE FACILITIES: Seats abt 60. Frig and wood stove. Lights.

VEHICLE PARKING: LOTS!!!!!! Tent spaces are free.

SITE CONDITIONS OF USE

As we are on private property and it is a game preserve, pets must be left home. If you have a dog and you have absolutely NO choice but to bring it along it MUST BE ON A LEASH at ALL times. If it is a yapper, remember that there will be a lot of people running around in the middle of the nite and quite a few who will be trying to get some hard earned sleep. Cooperation would be very much appreciated. (continued)

FIELD DAY (continued)

When you enter the property you will have some gates to open. Please shut them behind you unless there is a sign posted saying otherwise. If a gate is open and no sign is present, assume that someone in front of you forgot and go ahead and shut it. Don't want any critters getting out and causing a roundup.

The only other thing that we ask is that you take care of your own trash. Last year there was a number of campers who took off and left behind a real mess. Not fair!! We are guests of the property owner and cannot leave the site looking like a garbage dump. **SOMEBODY** has to take the time to make sure that all is secured. Take the time to clean up your own area and make it easier for everybody. This includes that little item called cigarette butts. Yours truly and a few others spent quite a bit of time last year in disposing of several hundred **NON-BIODEGRADABLE** filter tips. What we put on the ground that was not there when we got there is a big fat **NO!!!!** Thanks for bearing up under all the no-nos.

THE YES, YES, YES'S: If you haven't been to our paradise of a field day sight, you owe it to yourself to check it out. Let your hair down and come out for a great time. It is **SUPER!!!** Yes, it is that good. The **BIG** yes is a weekend of fun and games. For some it will be operating, for others it will be relaxing and meeting a whole bunch of new friends. It is a great place to shed a wallflower complex and get to know fellow members and families. We offer fun and games, good food, a beautiful outdoor setting and, the opportunity to take part in a **WINNING CONTEST EFFORT**. **WE WERE FIRST PLACE LAST YEAR IN THE 200 WATT BATTERY CLASS. (non-QRP)**

We need lots of helping hands on Friday, June 21 for station setup. If you can, get the day off and find out how much fun it is to set up the gear. We also need help on the Sunday takedown. If a whole bunch pitch in, it takes about an hour and a half. Please assist if you can. **SEE YOU AT THE BIGGEE FAR-OUT FUNCTION OF THE YEAR!!!** (bring enthusiasm)

You'll never make ends meet if you are always sitting on yours.

HAMFEST HELPFUL HINTS FOR A HAPPY DAY

by Mike Meltzer, K2SDD
via RAGS REVIEW

I think that hamfests are one of the most fantastic things that has ever been invented. I always have a great time and would like to give you some advice that can enhance your enjoyment of this aspect of our hobby.

First, you have to acquire the correct attitude. If you are looking for free equipment, or to have fun crammed down your throat, forget it. The hamfest sets the mood for a "happy day" and the rest is up to you.

Try to arrive early and attack the flea market first. The best bargains go fast. Some flea market vendors want to get rid of their unused gear at a reasonable price, and some are out to make a big profit. If you arrive too late you will only get to meet the second group. The way you walk through the flea market is also important.

Upon arriving, a fast walk-through is a good idea. While pondering too long over an infinite supply of ceramic capacitors, a bargain handheld may be waiting just a short distance away. After your first run-through you can do it again, looking

for the less obvious bargains. Notice, I said "bargains". If someone in a flea market calls you cheap because you haggle over his price, you are not the one who is naive; he is. It's a flea market not a retail store.

Then again, sometimes it does not pay to shop around too much. If you see something unusual that you really want, keep in mind that if you walk away you may never see it again. Perhaps you should just ask for his best price and then buy it. However, if it's in the "nice to own but I really don't need it" category, offer only what its worth to you even though it may be only 20% of the asking price. Now and then you will be surprised and walk away with a terrific bargain. The key idea is to look at an item and decide quickly what it is worth to you, and what is the most you are willing to pay.

So when it comes to dickering for price at the flea market be friendly, honest, and sincere, and there will be no hard feelings.

Weeks before the hamfest make a shopping list. It gives you a purpose. Then as you walk the aisles of the flea market have a flight plan. Don't wander aimlessly. Try to walk along one side of one aisle to the end. Then turn around and walk the other side.

WEDDING BELLS

John, K7DMM, went off to Lake Tahoe on March 30 to marry Sally. We don't know Sally and many of you don't really know John but the last name is Conley. John travels quite a lot so can't make it to meetings. He has been helping pass out convention forms in the Saddle area. You don't have to be a heavy at meetings to be an asset. Congrats to you both and may the sun be bright for you in the years to come.....

VERTICAL ANTENNAS (part two)

ABOVE GROUND (ELEVATED) INSTALLATIONS (rooftop, tower, mast, etc.)

The problem of ground loss resistance may be avoided to some extent by mounting a vertical antenna some distance above the earth over an artificial ground plane consisting of resonant (usually quarter-wave) radial wires. Four resonant radials are considered to provide a very low-loss ground plane system for vertical antennas at base heights of one-half wavelength or more. This arrangement contrasts favorably with the more than 100 radials for zero ohms loss resistance at ground level, and since one-half wavelength is only about thirty-five feet at twenty meters, very worthwhile improvement in vertical antenna performance can be realized, at least on the higher bands, with moderate pole or tower heights. At base heights below one-half wavelength more than four radials will be required to provide a ground plane of significantly greater conductivity than the lossy earth immediately below the antenna; even so, a slightly elevated vertical with relatively few radials may be more effective than a ground-level vertical operating over a larger number of radials if only because the former is apt to be more in the clear. Resonant radial lengths for any band may be calculated from the formula:

$$\text{Length (ft)} = \frac{240}{\text{Frequency in MHz}}$$

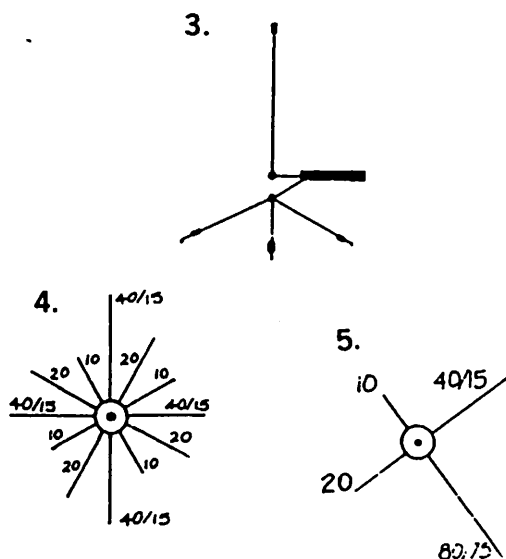


Figure 3 shows the basic ground plane system for elevated verticals. Radials may slope downward as much as 45 degrees without any significant effect on operation or performance. Radials for different bands should be separated as much as possible and the far end of each radial insulated from supporting wires. Figure 4 shows a ground plane system that uses four resonant radials for 40 meters, another set of four for 20 meters, and a third set for 10 meters. A separate set for 15 meters is not ordinarily required because the 40 meter radials operate as resonant $\frac{3}{4}$ -wave radials on that band. At the lower heights the separate wires of this system

may provide enough capacitance to ground to permit low SWR operation on 80/75 meters as well, but it is probable that at least one resonant radial will be required for low SWR on that band.

The 12-radial system of Fig. 4 is a very good one, but it requires at least 12 tie-off points. Butternut Electronics has developed a multiband radial made of 300-ohm ribbon that resonates simultaneously on 40, 20, 15 and 10 meters. Four such radials offer essentially the same ground plane performance as the system of Fig. 4 but require only 4 supports. These multiband radials plus additional wire for an 80 meter radial are available separately (our STR-II kit) or as part of the Butternut roof mounting kit (RMK-II).

There are times when physical restrictions will dictate the use of fewer than four radials, and at least one manufacturer recommends 2 radials per band, the radials for each band running 180 degrees away from each other. A simpler (and no doubt less effective) system is shown in Fig. 5. (Since only one resonant radial is used per band the antenna will radiate both vertically and horizontally polarized energy, and the pattern will not be completely omnidirectional. For true ground plane action and predominantly vertical polarization no fewer than three equally-spaced radials should be used.)

Regardless of the number of radials used in either elevated or ground level systems, all radials should be attached to the ground connection at the antenna feed-point by the shortest possible leads. An elaborate radial system at ground level, for example, cannot be used with a vertical antenna on a rooftop or on a tall tower, for the length of the ground lead would effectively become part of the antenna, thus detuning the system on most or all bands.

METAL TOWERS AND MASTS

If a metal mast or tower is used to support a vertical antenna all radials should be connected to the mast or tower at the ground connection of the antenna feedline. This is because one of the functions of a resonant radial is to detune a supporting metal structure for antenna currents that might otherwise flow on the structure and thus turn the vertical antenna system into a vertical long wire with unwanted high-angle radiation.

OTHER MOUNTING SCHEMES

In cases where a resonant vertical antenna may neither be ground mounted nor used with an elevated ground plane, operation may still be possible if connection can be made to a large mass of metal that is directly connected or capacitively coupled to the ground, e.g., central air conditioning systems or structural steel frames of apartment buildings. Some amateurs have reported good results with vertical antennas extended horizontally or semi-vertically from metal terraces which serve as the ground connection. Alternatively, a quarter-wave vertical may be window mounted if a short ground lead to a cold water pipe or radiator can be used. If a long lead must be used, tuned radials may be required for resonance on one or more bands. Great care should be exercised in such installations to avoid power lines and to keep the antenna from falling onto persons or property.

**BUTTERNUT
ELECTRONICS**

Next month--RV installations



UPSY GRADES

Got two to report this months. Marvel Noys went up to technician. Her call, by the way, is KA7UMB. Also going to technician is Randy Stevens, KA7PDZ. Hats off to you both. Bet you just kind of floated home after the test. At no time did the feet touch the ground! Congratulations....

APRIL FOOL CW CONTEST RESULTS TUESDAY, APRIL 9, 1985

Congratulations are in order for those (faithful few) members who participated in the First Annual (hopefully) OTVARC April Fool CW Contest. The 40 meter band was wide open, with very little QRM to those who operated. Those stations submitting logs with their claimed scores follow:

NI7M	4 Points
KD7LA	4
KA7RCF/T	7
KE7BB	8
KA7TAC/T	9
KA7OMW	13

K6RH	14 Points
KA7NPN	15
NB7W	16
K2PO	16
KO7B	16
KA7UFI/N	30

As you can see, a very few weathered the one-hour long contest. A big congratulations go out to Amy Freedman, KA7UFI who took top honors. Not only was it Amy's first time contest, but she claims it was also her first time on the air. By the looks of the votes for Most Congenial Operator you couldn't prove it, however that shiny CW key and plaque go to Dee Lynch, KA7NPN voted by a majority of those operating. Thanks to Antronics (Stan and Pat) for the beautiful donation to Dee's shack for the next year! In any

event, plaques to the winners and certificates of participation will be presented at the June club meeting. Thanks to all who made this contest a success.

WELCOME



David, WB7REC, and Karol Nelson announce the arrival of Brian David Nelson. Brian was born 4-9-1985 at 1:22 pm. which was a very thoughtful time of day. Gets pop a day off from work! (not to mention mom) Brian arrived at 20½ inches and 8½ oz. Congratulations to all three..

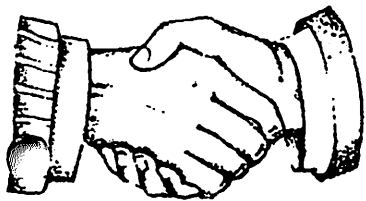
It was not until the year 1800 that right and left shoes were invented. Before that they had been interchangeable.

SUPPORT YOUR LOCAL RADIO STORE

It's a two way street! We need our local radio stores as much as they need us. Imagine not being able to drop in and look at all the goodies, have a cup of coffee and meet with friends. What is of equal importance is being able to pick up your new major purchse, get operating instructions from knowledgable people (who are also hams) and if something goes wrong, having a resident expert there to fix it.

Sometimes we can "save a buck" by purchasing through the mail but in the long run is it worth it? The local radio store owners do a lot behind the scenes that support our club and make our meetings more enjoyable. They do not receive as much credit for this as they should. They need a reasonable price markup so as to continue to serve us. Shop at home, support your local store so they are able to support us.

Jim Ziegler KA7TAC



WELCOMING COMMITTEE sez-

A welcoming handshake to our new members. Meet Bob Norin, W7YAQ, who is an engineer residing in Tigard. Bob is a life member of the ARRL and enjoys DX and contesting. (contest committee, please note) Bob doesn't list any interest in committee work but we all know how that can change, don't we! Welcome,

also, to Jim White, KA7SZP. Jim lives in SE Portland and doesn't list an occupation so we must assume he is retired, a student, or filthy rich. He is an ARRL member and indicates an interest in Field Day. (contest committee please note) Nice to have you with us Jim...

For the benefit of those of you who are younger we might remind you that some years ago when you wanted to make a telephone call you lifted the receiver and an operator answered, "Number please?"

You then gave the number verbally

and she put through the connection for you. There was no such thing as a dial or push buttons.

It has been estimated that with the volume of phone calls which exists today such a system would require the services of all the employable women

in the United States!

When I told this to a friend he said, "Yes, but if all the women were telephone operators who would be left to make all the calls?"

MT. HOOD REPEATER ASSOCIATION INC.

PRESIDENT
T.S. McACHRAN KD7DQ
VICE-PRESIDENT
L. SMITH K27I
SECRETARY
L. OGBURN KC7QV
TRUSTEE
D. WEBER KA7QQV
TRUSTEE
C. STROY WA7TIC

P.O. BOX 23042
TIGARD, OR 97223

OPERATING ON:
145.27/.67 MHZ
449.375 MHZ

1 4 5 . 2 7 m h z

OPEN AUTOPATCH?

OPEN AUTOPATCHES !!!

PORTLAND
*27
= OFF

CANBY
*52
= OFF

SALEM
*45
= OFF

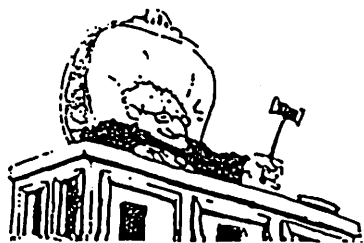
1.) Send code for desired area.

2.) Wait for dial tone to drop then send your number.

3.) Advise phone party to wait for the beep before they speak and you do the same.

For the most part, the current officers are paying the phone bills for the three areas covered. It is intended, at least for the near future, to continue making FREE autopatch available to all hams. Any donations to help us maintain this service would be greatly appreciated though not expected. Thanks..

Have fun and enjoy



STOLEN RADIO REPORT

Icom 2AT. Serial #44650. Ron Gould, KD7RJ

Yaesu FT290R all mode 2m rig. Serial #1H031820 + a Mirage B108 amp with remote control head. Winn Tatro at 246-9865.

Kenwood TS130 and AT130 tuner. Inscribed with ND 0530200273. Call Portland Radio at 228-8647.

Yaesu 227R 2m rig and Motorola speaker. Name on inside and outside of case. Call Andy, WB7RKU, at 760-3873.

Kenwood TR7400 SN# 640351-2. If you have info please call Brice Woodall at 239-4072. No further info is available on the gear.

ICOM 4AT with BP2 battery. Was lost on Mt. Hood ski lift. If found call Don Webber. 981-7310 eves or 255-8634 days.

Kenwood TR2500. SN 4090053. Call Gary Ward at 295-6422 days or 761-9540 eves.

*ICOM 37A. SN 31101266. No DC cable. Also, Kenwood 7400A. No Serial number available. It has holes in the top for stack mounting. No mobile bracket & the speaker jack is shorted. Vehicle theft. Roger Johnson at 771-4933

*Kenwood TR2500. SN311322. Had a PB 25H battery pack and an SMC speaker mic. Also a Larsen HQ antenna. Burglarized 4/12. Call Rich Wiland at 252-1028.

*Indicates stolen recently

Some of these foreign guides who take you through old cathedrals and explain things by the hour remind me of the young boy who asked his father a question.

Said father—"Please don't bother me now, ask your mother."

Replied the boy—"But Dad, I don't want to know that much about it."

WA6KLA TO THE RESCUE

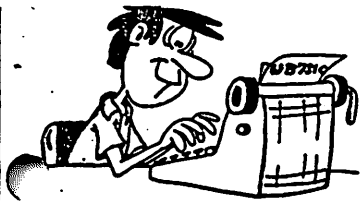
At a recent meeting of the ARRG, our tall and lanky Neil McKie, WA6KLA, gave the ok for a 450 repeater on South Saddle Mtn.. This is good news for amateur radio in the Tualatin Valley as well as in many other areas that an elevation of 3400 feet can mean to communications. Neil is the final say for that area of our state and as soon as the paperwork is done and the snow (mud) goes away, an effort to install equipment will be undertaken. For the uninformed, the ARRG stands for Amateur Radio Relay Group. This is the organization which is responsible for maintaining the 147.92/32 repeater and the 147.04/64 machine in the Sylvan hills area. 92/32 is up on South Saddle. Efforts to get 450 on the mountain have been ongoing for quite some time. A very big thanks to Neil for making it all happen.....

While on the subject of repeaters, a word or two on support is in order. Were it not for people who spend MANY hours devoted to building and maintaining repeaters, your local contacts, autopatches and emergency 911 reports would be non-existent. Most of us take the VHF/UHF experience for granted and this not unexpected. Repeater operation is such a day to day occurrence we tend to forget that the mode of operation is made available only by someone else's efforts. The majority of repeaters in use locally are built by fellow hams. They are not store bought! Support the repeaters you use. They are VERY expensive.....

CALL ME TWICE--PLEASE??

Got a scanning 2m rig? How often have you heard the tail end of a call and wondered if you missed a wanted contact? Ever grab the mic, assuming it was a call for you and discovered it wasn't? Or forgot you were scanning and you ended up answering on the wrong frequency? Well, I have.. With so many scanning rigs now out in the field, would it not be a good idea, when making a call, to make it at least twice? If you are scanning 4 to 5 frequencies a single call from a buddy can easily be missed. If you have been having trouble in getting people on repeaters, give the two call method a try. You might be surprised at the difference it will make.....

BEEN PUTTING OFF GETTING A CLUB JACKET? Get your order in. Have it for FIELD DAY.....



Commentary...

Of Babies and Bathwater

(from the SPARC GAP)
Portland ARC

As some of you already know, some members of another area club have recently initiated a Recall Petition for ARRL Northwestern Division Director, Mary Lewis, W7QGP. Should they succeed in forcing a recall election, there is likely to be a lot of bitter recrimination within the Division which will further weaken the hold that the League has on the amateurs in this part of the world.

This is a situation where the neighborhood dogs have left their brown presents in both yards. Mary has a rather aggressive personality that intimidates a lot of people. She is also not always noted for her diplomacy. On the other hand, she has done a lot to restructure and humanize the League in the 4 years she's been on the Board. If she were incompetent to hold her position, the President of the ARRL would not have chosen her to chair the Membership Services Committee. You may cavil about her putting the interests of the League ahead of her constituents, but the issues in which she has taken part at the Board level have been generally those that have been overdue for addressing.

The present action was brought about after a recent meeting of the aforementioned area club, at which Mary made a presentation. Her bluntness got in the way of her diplomacy in announcing the change in the Assistant Director appointments, specifically regarding a former Assistant Director who is a well known member of that club. She could have handled the situation a lot more gracefully, to be sure. However, there have always been difficulties between her and that club. (Incidentally, the ex-Assistant Director told me that he does not endorse the recall petition).

However you feel about the matter before us, it would be a very good idea to keep a lid on it. We don't need further division of the ranks than we already have. This is not the kind of action that is going to encourage prospective League members to join.

Unfortunately, the qualities that make Mary a good Director of the League are also likely to arouse controversy, and give rise to the petty squabbling that brings these actions on. It also gives rise to a tendency to pitch the baby with the bath water. AL7W (retyped for space consideration)

Boy, this is a ticklish subject. In spite of the fact that OTVARC is the club which Lea refers to and I, WB7SJC, am the recently ousted Assistant Director, there was not going to be any mention of the recall effort in our newsletter. Politics should be minimized and as Lea says, let's play it down. BUT—Lea couldn't resist doing an editorial and as it hits all of us right between the eyes, like it or not, a few words are in order. This editorial could take off in all kinds of directions and if you were sitting here, as I am, I wonder how you would cover the subject. Give it some thought while I try my best to make this commentary useful.

Fortunately, the League is a Democratic organization. Were it not, a recall would not be possible. If the petition succeeds and Mrs. Lewis were to lose on a re-vote, it would prove that the majority do not support present administration and a change would be healthy for the Division. Should the petition succeed and Mary come out on top after the vote, it would show that the petitioners did not have all the facts.. I would have appreciated being told about the changes in the Assistant Director program in person rather than with an abrupt statement during a meeting but it did not come as a surprise. Budget cuts made it necessary and the Division was extremely heavy with Assistants. To say that this action caused a recall effort is not true. As I was told, it was only a 'last straw' with several people who have not been happy with Division leadership. The Oregon Tualatin Valley ARC did not spur the recall effort nor does it, as a club, support it.

To say that Mary Lewis has always had difficulty with 'that club' is very interesting to me, personally. Back when I was President and the club was very small, we became affiliated with the ARRL. Shortly after that, in 1981 to be exact, Mrs. Lewis made the announcement, at the Division Convention in Seaside, that OTVARC had won her League membership contest. This contest included ALL clubs in the 5 state Division. We have co-sponsored two, soon to be three, Division conventions and each one seems to be better and more people show up to be confronted with an ARRL booth. Our club was the first in the state to be given the "Special Service Status" and even now our state has only two. Hoodview is the other. Friends, if this is being difficult, I wonder how much a club that might be called 'big trouble' could accomplish in supporting amateur radio and the League? (continued next page—snj)

The 'some members' of OTVARC, who started the recall petition, are W7NJ and W7LJN. It may be of some interest to note that W7NJ belongs to the Willamette Valley DX Club and is also an Honorary member of the Portland ARC. No sneaking around corners in OTVARC. In deference to a fellow newsletter editor, I would be the first to admit that the SPARC GAP tried to present a fair picture and not name names. As for misrepresentation, we are all prone to errors and, particularly, when it comes to volunteer time on a thankless job like editing.

In presenting news, the object is to do it in an unbiased manner. However, when an editorial is given, it is a matter of that persons opinion. Most wisely done after some input from disinterested parties! The outcome of this is that the article in the PARC newsletter was of a totally negative viewpoint. It inferred that the League has a very weak hold on its members in the area and that we have a division of the ranks. The worst part of it is that it does not support Mary Lewis but points out problems. This is something difficult to comprehend! The editorial points out that she intimidates people, that she has aspirations above the common ham, that she is blunt, undiplomatic, and that her qualities are a cause of controversy. On a scale of 1 to 10, she has been given a -2 !!!

The kid, in this case, won't be forgotten. The League is a good place to be and the new membership drive will make it stronger than ever. Watch out ARRL, OTVARC is out TO win another contest..... WB7SJC

Newspaper columnists have been described as "the kind of people who view the conflict from afar and then come down from the hills to shoot the wounded."

BETCHA DIDN'T KNOW!!

We send our newsletter to quite a few places other than to club members. Along with our commercial advertisers, we mail to the FCC, the ARRL, to the Division Director, the SM, the EC, the Affiliated Club Co-ordinator, Worldradio, the Division Vice Director, 73 magazine and to the USQS/KM7Z QSL bureau. Now that you have waded through that pile of type, I will continue with a listing of clubs that we swap with. Portland ARC, Radio Amateurs of the Gorge, Salem ARC, McMinnville ARC, Hoodview ARC, Clark County ARC, Lower Columbia AR Assoc., Anchorage ARC, Klamath Basin ARC, Rogue Valley ARC, Inland Empire VHF, (the Spokane area repeater club) Clackamas ARC, The Oregon Netter, Tacoma ARC, and the Grants Pass club which has no 'letter'.. This may seem, at first, to be a questionable waste of postage. Given some thought, you realize that we are in a communication hobby and the swapping of information can be a very helpful asset to all concerned. Speaking for our own club, the publicity gained for the Seaside Convention is more than worth a few dollars a year in stamps. Many of the clubs pick up on information about the convention and repeat it in their own publication and that is truly of benefit to everyone. Incidentally, we have always advertised for other club doings. Even the Tacoma Hamfair got their registration form put in our 'letter' last year. Unfortunately, several other clubs do not reciprocate. We even helped pay postage for one club this year. Such is life in the advertising business.....

VOLUNTEER COUNSEL

Notice that Counsel is spelled without a ci! Sometimes events just slip right on by with no notice. Such is the case! Stan Weinstein, KX7Y, has been a volunteer legal council for the ARRL for some time now and it went unannounced. Stan can be seen now at the bottom of the 'who to call for what' column. Another helping hand for us via the League. Thanks Stan. I know that others feel the same. Much appreciated.....

NOTE: Anybody know of anyone else in the club that has not been noted, please call. Lots of volunteering going on and it is easy to miss giving proper credit.

GOT SOMETHING To Sell?

Let us
show you
and



CLASSIFIED ADS

FREE!

IN NORVAC ELECTRONICS

(503) 644-1025

12905 S.W. BEVERDAM ROAD
BEAVERTON, OREGON 97005

SEMICONDUCTORS
CAPACITORS
RESISTORS
WIRE
CABLE
ENCLOSURES
CONNECTORS
TRANSFORMERS
PANEL METERS
FANS
TEST INSTRUMENTATION
TUBES
HANDTOOLS
TOOL CASES
TUBING
FUSES
BATTERIES
POWER SUPPLIES
LAMPS
CHEMICALS
SOLDER SUPPLIES

SOLDER/DE-SOLDER TOOLS
BREADBOARDS
WIRE WRAP TOOLING
KEYBOARDS
SOCKETS
SPEAKERS
POTENTIOMETERS
MICROPHONES
CRYSTALS
ELECTRONIC HARDWARE
PHOTOFACTS
P.C. BOARD SUPPLIES
TECHNICAL PUBLICATIONS
TECHNICAL PERIODICALS
SOFTWARE
S100 BOARDS
OUTLET STRIPS
LINE FILTERS
CONVERTERS
ANTENNAS



CLASSIFIED ADS ARE FREE TO OTVARC MEMBERS

FOR SALE: 2 Kenwood TM 401 mobile rigs - almost new \$299 each.
WANTED: 572B or 1L160 tube new or used in good condition.

For above items call Ron WB7UZZ at 666-6100

FOR SALE: HW-8 QRP kit, build it yourself. Retail value \$165, will sell for only \$85.

Yaesu 757 with up-down desk mic., up-down hand mic., mobile bkt., service manual, linear amp switch box. Retail value \$934, will sell for \$775. Very low mileage. Call "SIC" at 640-5456

TO BUY - SELL - TRADE CALL JIM KA7TAC 246-2539 or 246-5457

VISIT YOUR LOCAL RADIO STORE

Heathkit

ELECTRONIC CENTER
516 SE Chkalov Dr. #1
Vancouver, WA 98664
(206) 254-4441
Brian Hawkins
Manager



Dual HF Wattmeter measures up to 2000W PEP

\$99.95

- Reads PEP or average power from 1.8 to 30 MHz
- Has factory assembled and calibrated sensor
- An enjoyable and easy-to-build two-evening kit

Installed in your transmission line, the HM-2140A monitors both forward and reflected power simultaneously. A second scale on the reflected meter reads SWR directly from 1:1 to 3:1 for fast, easy measurement of your outgoing signal.

Measure your transmitter's output up to 200/2000 watts PEP ($\pm 5\%$) in the forward direction, and up to 50/500 watts reflected. Pushbutton-switched high and low power ranges plus a factory-tested sensor ensure precise readings every time. Another dual-position switch enables you to read PEP or Average power.

The HM-2140A can be operated on a 9-volt battery (not included) or use 120 VAC with the PS-2350 Battery Eliminator. A special switching circuit permits you to observe the battery condition at any time. The precision RF sensor can be mounted in the cabinet or used up to four feet away.

Kit HM-2140A, Shpg. wt. 5 lbs. 99.95
PS-2350, 120 VAC Battery Eliminator, Shpg. wt. 1 lb. 7.95



FRINGING AND BINDING IS OUR SPECIALTY

DAN'S CUSTOM
CARPET SERVICE
PHONE: 775-5513

DAN DOBSON

7715 S. E. 92ND AVE.
PORTLAND, OREGON 97266

KR7Z

**MODULAR DATA SYSTEMS
COMPUTER CONSULTANTS**

KIRKE E. JOHNSON

WB7PXZ

9030 N.W. Lovejoy
Portland, OR 97229

(503) 297-6173

YOU CAN ADVERTISE YOUR COMPANY
IN THIS SPACE, ONLY \$4.00 PER
TO OTVARC MEMBERS. SEE "TAC"

HELP THE CLUB AND THE CLUB WILL HELP YOU

This month marks my first anniversary in amateur radio and as a member of OTVARC. I am certain that becoming a member and participating in club activities has more than doubled my pleasure with this hobby. Invite your friends to join us, they will be glad they did. Volunteer to serve on some committee and you will meet some nice folks, you will be glad you did.

TAC

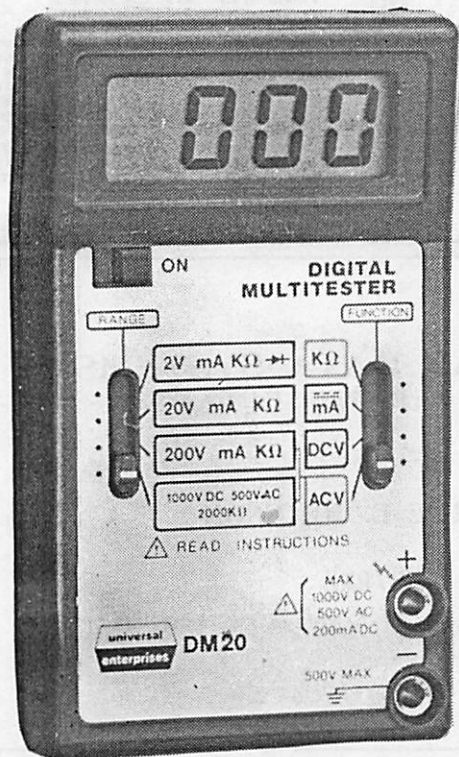
PORTLAND RADIO SUPPLY

SERVING THE ELECTRONICS INDUSTRY SINCE 1932

1234 S.W. STARK STREET • PORTLAND, OREGON 97205 • (503) 228-8647

"EXTRA SHARP DEAL"

ONLY
\$39.95



DM20

14 Ranges

universal
enterprises

★ **LARGE**, 1/2 inch
display for easy
reading.

★ **COMPACT**
pocket size

★ **RUGGED**

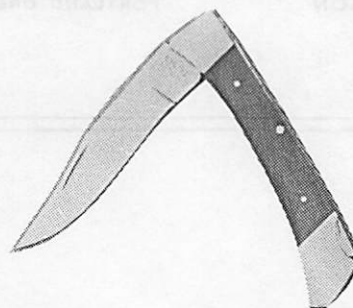
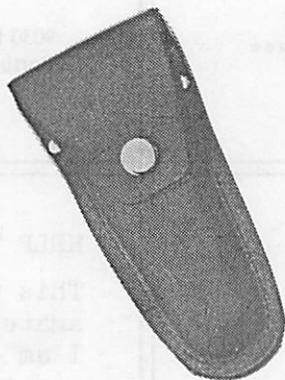
★ **DEPENDABLE**

★ **BACKED** by UEI's
outstanding
warranty program

- LCD display, 3 1/2 digit, 0.5" numerals
- Auto polarity
- Overrange protection
- Diode test function
- 1.0 M ohm input impedance
- Fuse and varistor protection on all current ranges

FREE

Buy a DM20, get this
folding lock blade knife
with belt pouch



WHILE QUANTITIES LAST

**SHOP WHERE EVERY DOLLAR YOU SPEND
HELPS SUPPORT YOUR CLUB!**

MEETING PROGRAM



We got a great one going for us this month!!!!!!!!!!!!!! Dave Creighton of Pacific Power and Light will be showing us how he solves electrical interference problems. That hash, buzzing and popping some of us occasionally experience has a source and that is what Dave spends a great deal of his time tracking down. Not all of that sort of problem comes from power poles and transformers. Fish tank heaters, door bell transformers, electric blankets, light dimmers and motorized equipment are just a few of the sources. This presentation will include the demonstration of equipment used by PP&L to locate interference. If you have never had a problem of this nature, you might think 'ho-hum'. If you have, you can appreciate the effort it takes to locate it. And, what a relief to have it found so you can go back to enjoying hamming. Don't miss a good one!

CONVENTION TIME, FOLKS

Nothing but good news with the convention. We could very well hit 1000 preregistered by mid May. Last year we had about 580. The banquet will be sold out before the doors open and all plans are solidly set. A trip was made to Seaside on the 28th of April by a number of committee members so that they could get a first hand look at the centers remodeling work. It SURE is impressive! The balcony area is pretty much finished up but it is nip and tuck with elevator work. Crossed fingers are getting to be the order of the day. We have 8 more exhibitors than last year and that is a very nice increase. It may be necessary to extend our exhibit space another 10' toward the stage. Love it! It is a little late to put anything in here about VE testing other than to relate that walk-ins are going to be accepted, space provided. The usual 610, license copy and etc. are required. The weekend looks like it will be very busy and full of fun and interesting programs. The seminars are abundant this year and will cause a lot of grief for those who can't decide which to see and which to miss. If you haven't registered yet, you have missed out on the EARLY BIRD prize chance but you have until the 18th to get a double chance on the major prizes. Would you like to have a COMPLETE KENWOOD 430 STATION!! TS 430, matching power supply, matching speaker, automatic antenna tuner and deluxe desk mic...

SOMEBODY's going to win it. Why not you? CU in all in Seaside.

WHO TO CALL FOR WHAT

*PUBLIC SERVICE	Sherrill Smith	KA7KNG	654-9499
	Bud Butterfield	KC7PS	649-1523
*CLUB CONTESTS	Jeff Freedman	K7JF	297-7965
*TECHNICAL	Dee Lynch	KA7NPN	646-4580
*PROJECT NITE	Terry Biggs	WB7CHK	648-3687
*PUBLIC RELATIONS	Randy Stimson	KZ7T	297-1175
*CLUB RAFFLE	Jim Ziegler	KA7TAC	246-2539
*MEETING PROGRAMS	Hanford Van Ness	KE7BB	246-7975
*CLUB SOCIALS	Paul Lucas	WB6SHR	641-8713
*EMERGENCY SERVICE	Willis Ranes	N7DZR	292-1656
*TRAINING (classes)	Randy Cobb	KA7HJT	649-5066
*WELCOMING	Doug Bull	N7CDI	649-4540
CLUB JACKETS	Dave Parker	W7LJN	639-7020
CLUB BADGES	Jeff Freedman	K7JF	297-7965
ROSTER CHANGES	" "	" "	" "
ARRG INFORMATION	Warren Winner	W7JDT	644-0752
CLUB SCRAPBOOK	Doc Miller	KA7BSD	
ARRL MEMBERSHIP	Randy Stimson	KZ7T	297-1175
CONVENTION (Oregon)	Al Berg	WB7SIC	640-5456
NEWSLETTER	" "	" "	" "
ARRL LIAISON	" "	" "	" "

* (indicates committee)

CLUB ARRL APPOINTEES

ARES District Emergency Co-Ordinator	KZ7T	297-1175
ARES Washington County Co-Ordinator	N7GMS	246-5007
ARRL 1988 National Convention Chm.	WB7SIC	640-5456
ARRL Volunteer Council	KX7Y	223-2228

A FEW DON'T FORGETS: 1% club rebates at Antronics and Portland Radio. Use the SUGGESTION BOX at club meetings. Input is primo.. Wear your club badge to meetings. Greet a stranger even if you feel you are one! Get involved. And when you do, give it your best. Get a friend into ham radio. Join the ARRL or if you have, convince a buddy to do so also. Above all, have fun and be a booster.....

A BRIGHT, WHIMSICAL TOY DESIGNED TO GIVE MOMENTS OF GREAT DELIGHT TO THE ALERT CHILD



OTVARC
P. O. BOX 5132
BEAVERTON, OR 97006



#86

FIRST CLASS MAIL

YAESU
The radio.

NEW

FT270RH
2M, 45W

FT2700RH
DUAL BANDER

1% club rebate



U Unarco-Rohn
25G & 45G in stock



DDX-64
Doctor DX™
\$99.00

STOP BY OUR BOOTH AT THE 'OREGON STATE HAM CONVENTION' IN SEASIDE AND
CHECK OUR SPECIAL PRICES. DON'T FORGET--MAY 31 THRU JUNE 2. SEA U!!

CALL FOR DISCOUNT PRICES

STAN, W7NI

PAT, KA7UFG

Store Hours:

Monday: 6 PM - 10 PM

Friday: 6 PM - 10 PM

Saturday: 10 AM - 6 PM

We can open
most anytime.
Call first.

ANTRONICS
OF OREGON, INC.

18955 SW Blanton
Aloha, OR 97007
(503) 642-7373